شرکت تحقیقاتی تولیدی پویا ژن آزما

POUYA GENE AZMA Co. (PGA)

PGA Bacterial DNA Extraction kit

CatalogNo.PD115-050Quantity: 50 Preps

Store: RT

KIT CONTENTS:

Buffer I	**5.5 ml**
Buffer II	**11 ml**
Buffer III	**8 ml**
Buffer X	**10 ml**
Rnase A	**50 µl**
Solvent Buffer	**6 ml**

Need contents:

cool ethanol %100
cool ethanol %70

Attention: before use , please add RNase A to Buffer I and keep in 4 ºC

LABORATORY PROTOCOL:

1**:** Collect 3 -5 ml bacterial cultures by centrifugation13000 rpm for 3 m in microtube.

2: Resuspending of precipitate in 100µl Buffer I.

3: Add 200 µl Buffer II in tube and gently inverting 3-5 times.

4: Add 150 µl Buffer III in tube and gently inverting 3 times and keep in 37 ºC for 45 minutes. (for gram negative bacteria no need number 4 step)

5: Add 180 µl Buffer X in tube and inverting for 10 times. (when add MIII buffer in tube and inverting, producing white precipitate in microtube)

6: Microcentrifuge 13000 rpm for 10 minutes**.**

7: Transfer of supernatant in new tube. (important: do not transfer of precipitate in new tube. If transfer of precipitate in it please repeat 9 and 10 steps again)

8: Add 2 volumes cool ethanol %96 - %100 in solution and gently inverting for 5 times.

9: Microcentrifuge 13000 rpm for 5 minutes.

10: Pour off the ethanol by gently inverting of tube and keep precipitate.

11: Washing the precipitate by adding 700µl cool ethanol %70 and inverting 2-3 times.

12: Microcentrifuge 13000 rpm for 1 minute.

13: Pour off the ethanol completely and dry pellet for 1-2 minutes in room temperature.

14: According to precipitate add 20- 50 µl Solvent Buffer in tube. The precipitate must to be solve completely.

نشانی: تهران میدان شهر زیبا خیابان شهید احمد کاشانی کنار گذر غرب به شرق بزرگراه شهید همت خیابان پردیس مجتمع پردیس ۱ طبقه اول واحد ۱۴ تلفن: ۴۰۴۴۳۶۷۶